

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property  
Organization  
International Bureau



(43) International Publication Date  
11 November 2004 (11.11.2004)

PCT

(10) International Publication Number  
**WO 2004/096369 A1**

(51) International Patent Classification<sup>7</sup>: A62C 2/06, 3/16

(21) International Application Number:  
PCT/NL2004/000280

(22) International Filing Date: 28 April 2004 (28.04.2004)

(25) Filing Language: Dutch

(26) Publication Language: English

(30) Priority Data:  
1023279 28 April 2003 (28.04.2003) NL  
1024770 12 November 2003 (12.11.2003) NL

(71) Applicant (for all designated States except US): BEELE  
ENGINEERING B.V. [NL/NL]; Beunkdijk 11, NL-7122  
NZ Aalten (NL).

(72) Inventor; and

(75) Inventor/Applicant (for US only): BEELE, Johannes,  
Alfred [NL/NL]; Beunkdijk 11, NL-7122 NZ Aalten (NL).

(74) Agent: WINCKELS, J., H., F.; Nieuwe Parklaan 97,  
NL-2587 BN Den Haag (NL).

(81) Designated States (unless otherwise indicated, for every  
kind of national protection available): AE, AG, AL, AM,

AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN,  
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI,  
GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE,  
KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD,  
MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG,  
PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM,  
TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM,  
ZW.

(84) Designated States (unless otherwise indicated, for every  
kind of regional protection available): ARIPO (BW, GH,  
GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM,  
ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),  
European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI,  
FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI,  
SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ,  
GW, ML, MR, NE, SN, TD, TG).

**Published:**

- with international search report
- before the expiration of the time limit for amending the  
claims and to be republished in the event of receipt of  
amendments

For two-letter codes and other abbreviations, refer to the "Guid-  
ance Notes on Codes and Abbreviations" appearing at the begin-  
ning of each regular issue of the PCT Gazette.

(54) Title: FIRE RESISTANT FOAM, CONSTRUCTION ELEMENTS THEREFROM, SYSTEM FOR FIRE-TIGHT SEALING  
OF AN OPENING, AND METHOD FOR SEALING AN OPENING IN A WALL

(57) Abstract: The invention relates to a fire resistant material based on an elastomeric foam. The invention further comprises a system for sealing off, at least during a fire taking place adjacent the wall, in an at least virtually entirely fire-tight manner, an opening extending through that wall through which a transporting device comprising for instance a cable, duct or pipe has been fed, the system being provided with elements manufactured from a fireresistant material which expands under the influence of temperature increase. In addition, the invention extends to a wall in which such a system has been incorporated and a method for sealing off an opening extending through a wall through which at least one transporting device such as a cable, duct or pipe has been fed.

WO 2004/096369 A1